

Title (en)
Method and apparatus for transferring a substrate carrier

Title (de)
Verfahren und Vorrichtung zum Transfer eines Substratbehälters

Title (fr)
Procédé et dispositif pour le transfert de conteneur de substrat

Publication
EP 1569261 A3 20060405 (EN)

Application
EP 05004335 A 20050228

Priority
US 54857404 P 20040228

Abstract (en)
[origin: EP1569261A2] In a first aspect, a first method is provided for electronic device manufacturing. The first method includes the steps of (1) receiving a request to transfer a carrier from a first substrate loading station to a second substrate loading station of an electronic device manufacturing facility including a plurality of substrate loading stations (115; 511-515), wherein the facility further includes a plurality of carrier supports (110; 503) coupled to a conveyor system (101; 501) adapted to move the carrier within the facility; (2) assigning one of the plurality of carrier supports to transfer the carrier from the first substrate loading station to the second substrate loading station such that at least one of a time required for the transfer is reduced and balance of the conveyor system is maintained; (3) moving the carrier from the first substrate loading station; and (4) moving the carrier to the second substrate loading station. Numerous other aspects are provided.

IPC 8 full level
H01L 21/00 (2006.01); **B24B 5/00** (2006.01); **B65G 49/04** (2006.01); **G05B 19/00** (2006.01); **H01L 21/677** (2006.01)

CPC (source: EP KR US)
B05C 3/109 (2013.01 - KR); **B05C 11/1002** (2013.01 - KR); **H01L 21/67276** (2013.01 - EP US)

Citation (search report)

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EP 05004335 A 20050228; CN 200510091397 A 20050228; CN 201210038444 A 20050228; JP 2005052468 A 20050228; JP 2011005341 A 20110113; KR 20050016834 A 20050228; TW 94105944 A 20050225; US 24400408 A 20081002; US 6746005 A 20050225; US 83816307 A 20070813